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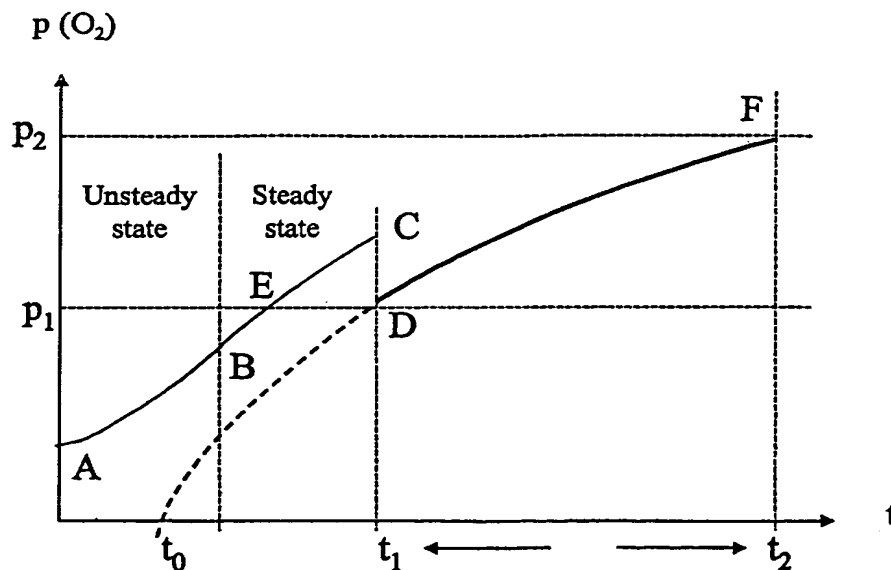
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**(54) Title: METHOD AND DEVICE FOR DETERMINING PENETRATION OF GASEOUS SUBSTANCES THROUGH A MEMBRANE**



**(57) Abstract:** This invention relates to a method and device for measuring the penetration of gases through a package material. More specific, it relates to a method for predicting the transmission rate of the gaseous substance through the walls of a package as a function of time from a limited number of measured concentrations of the gaseous substance within the package. Even more specific, it relates to a method and device for testing the oxygen transmission rates into packages employed for instance for food or pharmaceutical products under realistic storing conditions.

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